

BALDOR® • RELIANCE

Product Information Packet

IDWNM3554T

1.5HP,1755RPM,3PH,60HZ,145TC,3534M,TENV

Part Detail							
Revision:	P	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3534M	Elec. Spec:	35WGM613	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	35TT996	Layout:	35LYTT996
Frame:	145TC	Mounting:	F1	Poles:	04	Created Date:	12-21-2009
Base:	RG	Rotation:	R	Insulation:	H	Eff. Date:	01-18-2017
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1608L

CAT NO	IDWNM3554T				
SPEC.	35TT996M613				
FRAME	145TC	HP	1.5	TE	
VOLTS	230/460				
MAG CUR	2.4/1.2	FLA	4.2/2.1		
RPM	1755	RPM MAX	4500		
HZ	60	PH	3	CLASS	H
SER.F.	1.00	DES	B	SL HZ	1.5
NEMA-NOM-EFF	86.5	WK2	0.201		
BLWR V		PH		HZ	A
RATING	40C AMB-CONT				
DE BRG	6205	ODE BRG	6203		
CC	010A	SN			

Parts List		
Part Number	Description	Quantity
SA188989	SA 35TT996M613	1.000 EA
RA176709	RA 35TT996M613	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3010A01W	35 CB .75 NPT @ 6:00, WHITE EPOXY	1.000 EA
35GS1039	05 MOLDED GASKET W/LIP, 1.12 LEAD HOLE,	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
35EP3100M70MW	FR TENV 203 BRG WD W/ THRU-SHAFT ENCODER	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW4600A09	SEAL 0.656 X 1.124 X 0.250 DOUBLE SHIELD	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35PE3300A48MW	SPL FACE MTD EP - 205 BRG - W/SEAL FOR W	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW4600B49	SEAL 0.938 X 1.624 X 0.250 SINGLE LIP DB	1.000 EA
12XN1032S20	10-32 X 1-1/4 HEX M.S. , STAINLESS STEEL	2.000 EA
35FH4801W	THRU-SHAFT ENCODER COVER INV/VEC F1 & F2	1.000 EA
WD4129	1.50 X 1.50 GRAY SNAP IN PLUG PROMOULD #	2.000 EA
10XN2520S08	SCREW, 1/4-20 X 1/2 HHCS SS	4.000 EA
10XN2520S08	SCREW, 1/4-20 X 1/2 HHCS SS	1.000 EA
35CB4522	35 LIPPED CB LID PRIMED	1.000 EA
35GS1030A02	35 GS FOR CB LID - WHITE NEOPRENE	1.000 EA
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 EA
HW4600B46	V-RING SLINGER 0.875 X 1.420 X .24 VITON	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
MJ5004A05	#242-21 LOCTITE GENERAL PURPOSE MED. STR	0.005 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025Z02	ACTIVATOR WILKOFAS 060.02HF	0.010 GA
MG1025W01	WILKOFAS, 781.01, SIGNAL WHITE #9003	0.017 GA
HA3100S09	THRUBOLT 9.25 LENGTH SS	4.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP1608L	SS WD INV UL CSA CC REV MTG	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA



AC Induction Motor Performance Data

Record # 36529

Typical performance - not guaranteed values

Winding: 35WGM613	Type: 3533M	Enclosure: TENV
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Nameplate Data			General Characteristics at 460 V, 60 Hz: High Volt Connection				
Rated Output (HP)	1.5		Full Load Torque	4.45 LB-FT			
Vols	230/460		Start Configuration	DOL			
Full Load Amps	4.2/2.1		Break Down Torque	20.8 LB-FT			
R.P.M.	1755		Pull-Up Torque	11.7 LB-FT			
Hz	60	Phase	Locked-rotor Torque	14.6 LB-FT			
NEMA Design Code	B	KVA Code	Starting Current	20 Amps			
Service Factor	1		No-load Current	1.17 Amps			
NEMA Nom. Eff.	86.5	P.F.	Line-line Res. @ 25°C.	8.44 Ohms			
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	77°C			
S.F. Amps			Temp. Rise @ S.F. Load				

Load Characteristics at 460 Volts, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	54	68	76	81	84	
Efficiency	80.5	87.1	88.3	88.8	88.3	87.4	
Speed	1791	1782	1773	1764	1753	1743	
Line Amperes	1.26	1.46	1.76	2.07	2.45	2.87	

Baldor Electric Company Fort Smith, Arkansas







